					STATE ( ARTMENT OF N /ISION OF OIL				AMENDED RE	FORM 3		
APPLICATION FOR PERMIT TO DRILL									1. WELL NAME and NUMBER Chapita Wells Unit 1578-26D			
2. TYPE OF WORK  DRILL NEW WELL ( REENTER P&A WELL ) DEEPEN WELL (									3. FIELD OR WILDCAT NATURAL BUTTES			
4. TYPE OF WELL  Gas Well Coalbed Methane Well: NO									NITIZATION AG CHAPITA WELLS	REEMEN	IT NAME	
6. NAME OF OPERATOR								7. OPERATOR PHO	NE			
								9. OPERATOR E-MA				
10. MINEI	RAL LEASE NUM		East Highway	40, Vernal, UT,	84078 AL OWNERSHI	[P		kaylene_q	gardner@eogresc ERSHIP	ources.com	n	
(FEDERAL	, INDIAN, OR S	<b>ΓΤΑΤΕ)</b> ΓU0285Α		FEDERAL (	INDIAN (	STATE (	FEE	FEDERAL 📵 IN	DIAN 🔵 STA	TE 💮	FEE 🔵	
13. NAME	OF SURFACE O	WNER (if box 12	= 'fee')					14. SURFACE OWN	ER PHONE (if be	ox 12 = '	'fee')	
15. ADDR	ESS OF SURFAC	E OWNER (if box	12 = 'fee')					16. SURFACE OWN	ER E-MAIL (if b	ox 12 =	'fee')	
	N ALLOTTEE O	R TRIBE NAME			D TO COMMING		TION FROM	19. SLANT				
(if box 12	= 'INDIAN')				(Submit Commir		ion) NO 📵	VERTICAL DIF	RECTIONAL 📵	HORIZO	ONTAL 🔵	
20. LOCA	TION OF WELL		ı	OOTAGES	Q	QTR-QTR	SECTION	TOWNSHIP	RANGE	м	IERIDIAN	
LOCATIO	N AT SURFACE		1972	FNL 328 FEL		SENE	26	9.0 S	22.0 E		S	
Top of U	ppermost Produ	ıcing Zone	2228	FNL 309 FEL		SENE	26	9.0 S	22.0 E		S	
At Total	Depth		2228	FNL 309 FEL		SENE	26	9.0 S	22.0 E		S	
21. COUN		JINTAH		22. DISTAI	NCE TO NEARES	ST LEASE LIN 309	IE (Feet)	23. NUMBER OF AC	CRES IN DRILLI	NG UNIT		
					NCE TO NEARES or Drilling or Co		SAME POOL	26. PROPOSED DEF	PTH 0: 9311 TVD: 9	295		
27. ELEVATION - GROUND LEVEL 2					NUMBER	030		29. SOURCE OF DR WATER RIGHTS AP			PLICABLE	
		5051				M2308			49-225			
					Casing, and							
String	Hole Size	Casing Size	Length		Grade &		Max Mud Wt.	Cement	Sacks	Yield	Weight	
Surf	12.25	9.625	0 - 2250	36.0	J-55 :	ST&C	0.0	Type III	135	4.1	10.5	
						.=0.0		Type V	135	1.18	15.6	
Prod	7.875	4.5	0 - 931:	11.6	N-80	LI&C	10.5	Light (Hibon		1.61	12.5	
								50/50 Poz	795	1.47	13.5	
					ATTAC	CHMENTS						
	VERIFY TH	E FOLLOWING	ARE ATTAC	HED IN ACC	CORDANCE W	VITH THE U	TAH OIL AND G	AS CONSERVATI	ON GENERAL	RULES		
<b>W</b> WE	ELL PLAT OR MA	AP PREPARED BY	LICENSED SU	JRVEYOR OR I	ENGINEER	СОМ	IPLETE DRILLING	PLAN				
AFF	IDAVIT OF STA	TUS OF SURFACE	OWNER AGI	REEMENT (IF	FEE SURFACE)	FOR	M 5. IF OPERATOR	R IS OTHER THAN T	HE LEASE OWN	ER		
DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<b>№</b> торо	OGRAPHICAL MAF	,				
NAME Nanette Lupcho TITLE Regulatory Assistant							<b>PHONE</b> 435 781-	9157				
SIGNATU	JRE		DAT	<b>TE</b> 11/01/2011			EMAIL Nanette_	_upcho@EOGResource	es.com			
API NUMBER ASSIGNED 43047521390000  APPROVAL  APPROVAL  Permit Manager												



#### CWU 1573-26D, CWU 1574-26D, CWU 1575-26D, CWU 1576-26D, CWU 1577-26D, CWU 1578-26D, CWU 1579-26D

SE/NE, SEC. 26, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

	CWU 1	CWU 1573-26D		574-26D	CWU 1575-26D		CWU 1576-26D	
FORMATION	TVD	MD	TVD	MD	TVD	MD	TVD	MD
Green River	1566	1604	1571	1581	1567	1589	1558	1574
Birdsnest	1712	1760	1712	1724	1712	1739	1716	1735
Mahogany Oil Shale Bed	2280	2364	2275	2296	2283	2329	2276	2306
Wasatch	4631	4778	4620	4647	4633	4720	4618	4651
Chapita Wells	5214	5361	5208	5235	5221	5308	5207	5239
Buck Canyon	5868	6015	5860	5887	5869	5957	5865	5897
North Horn	6586	6732	6582	6609	6599	6687	6576	6608
KMV Price River	6957	7104	6942	6969	6965	7052	6934	6966
KMV Price River Middle	7828	7975	7815	7842	7833	7920	7807	7839
KMV Price River Lower	8628	8775	8615	8642	8631	8719	8607	8639
Sego	9135	9282	9125	9152	9140	9227	9115	9147
TD	9335	9482	9325	9352	9340	9427	9315	9347
ANTICIPATED BHP (PSI)			5091		510	00	5086	

	CWU 1577-26D		CWU 1578-26D		CWU 1579-26D			
FORMATION	TVD	MD	TVD	MD	TVD	MD	TVD	MD
Green River	1560	1571	1572	1581	1572	1586		
Birdsnest	1718	1732	1713	1724	1715	1732		
Mahogany Oil Shale Bed	2266	2287	2259	2274	2256	2286		
Wasatch	4608	4632	4600	4616	4586	4645		
Chapita Wells	5196	5220	5188	5203	5173	5233		
Buck Canyon	5863	5887	5847	5862	5838	5898		
North Horn	6557	6581	6554	6570	6534	6593		
KMV Price River	6910	6934	6905	6921	6879	6938		
KMV Price River Middle	7787	7811	7787	7802	7766	7825		
KMV Price River Lower	8588	8612	8588	8604	8568	8627		
Sego	9100	9124	9095	9111	9075	9134		
TD	9300	9324	9295	9311	9275	9334		
ANTICIPATED BHP (PSI)	50	78	50	75	50	)64		

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft  $\pm$  of the Green River Formation, with top at about 1,600 ft  $\pm$ .
- 2. Cement to be installed to surface of the well isolating all zones.



## DRILLING PLAN MULTI-WELL PAD:

#### CWU 1573-26D, CWU 1574-26D, CWU 1575-26D, CWU 1576-26D, CWU 1577-26D, CWU 1578-26D, CWU 1579-26D

SE/NE, SEC. 26, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

3. PRESSURE CONTROL EQUIPMENT:

Production Hole – 5000 Psig BOP schematic diagrams attached.

#### 4. CASING PROGRAM:

Casing	Hole Size	Length	Size	Weight	Grade	Thread	Rating Collapse	Rating Burst	Tensile
Conductor	20"	0 – 60'	14"	32.5#	A252			1800 PSI	10,000#
Surface	12 1/4"	0 – 2,250'± MD	9 5/8"	36.0#	J-55	STC	2020 PSI	3520 PSI	394,000#
Production	7 7/8"	Surface – MTD	4 1/2"	11.6#	N-80	LTC	6350 PSI	7780 PSI	223,000#

Note: 12 1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5/4" as shown to that depth. Drilled depth may be shallower or deeper than the 2250' MD shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.

#### 5. FLOAT EQUIPMENT:

#### Surface Casing (0'- ±2250' MD):

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1 in middle of shoe joint, then top of every joint for next 7 joints, 2 at KOP. (10 total)

#### **Production Casing (0' – MTD):**

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Turbulizers to be placed 5' above shoe on joint #1, middle of joint #2 and #3. Centralizers starting on joint #4 and every 3rd joint to 400' above the top of primary objective. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.



#### CWU 1573-26D, CWU 1574-26D, CWU 1575-26D, CWU 1576-26D, CWU 1577-26D, CWU 1578-26D, CWU 1579-26D

SE/NE, SEC. 26, T9S, R22E, S.L.B.&M... UINTAH COUNTY, UTAH

#### 6. MUD PROGRAM

#### Surface Hole Procedure (Surface - 2250'± MD):

Air/Air mist/Aerated water\* (\*A standby water source will be available at all times to act as a kill medium when conducting air drilling operations)

or

A closed-loop system utilizing a gelled bentonite mud will be employed. LCM sweeps, additions, etc. will be used as necessary.

#### **Production Hole Procedure (2250'± - MTD):**

Anticipated mud weight 9.5-10.5 ppg depending on actual wellbore conditions encountered while drilling.

A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

#### 7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1
Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- o EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

8 point plan-EOG 3/6 10/5/2011



#### CWU 1573-26D, CWU 1574-26D, CWU 1575-26D, CWU 1576-26D, CWU 1577-26D, CWU 1578-26D, CWU 1579-26D

SE/NE, SEC. 26, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 8. EVALUATION PROGRAM:

Open-hole Logs: None

**Cased-hole Logs**: Cased-hole logs will be run in lieu of open-hole logs consisting of the following:

**Cement Bond / Casing Collar Locator and Gamma Ray** 

#### 9. CEMENT PROGRAM:

#### Surface Casing (0'- ±2250' MD):

**Lead:** Lead volume to be calculated to bring cement from 500' above casing shoe to surface. Lead cement will be:

135 sx. HES VariCem (Type III) + 2% Cal-Seal (Thixotropic Additive) + 0.3% Versaset

(Thixotropic Additive) + 2% Econolite (Light Weight Additive), mixed at 10.5 ppg,

4.10 cfps, 26.88 gps fresh water

Tail: Tail volume to be calculated to bring cement 500' above casing shoe. Tail cement will be:

135 sx. HES HalCem (Type V) + 2% CaCl<sub>2</sub> (Accelerator), mixed at 15.6 ppg, 1.18 cfps, 5.05 gps

fresh water

**Top Out:** As necessary with:

HES HalCem (Type V) + 2% CaCl<sub>2</sub> (Accelerator), mixed at 15.6 ppg, 1.18 cfps, 5.05 gps

fresh water

Note: The above number of sacks are calculated based on gauge hole. Final field cement volumes will be based on gauge hole plus 70% excess on the lead slurry and gauge hole plus 100% excess on the tail slurry.



#### CWU 1573-26D, CWU 1574-26D, CWU 1575-26D, CWU 1576-26D, CWU 1577-26D, CWU 1578-26D, CWU 1579-26D

SE/NE, SEC. 26, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### **Production Casing (0' – MTD):**

**Lead:** Lead volume to be calculated to bring cement from 400' above top of Wasatch Formation to 200'± above 9 5/8" surface casing shoe @ ±2250' MD. For improved mud displacement, lead slurry weight will be a minimum of 0.5 ppg over mud weight utilized at well MTD and vary from 11.0 – 13.0 ppg.

If lead slurry weight required is 11.0 ppg – 12.5 ppg, cement will be:

HES Highbond 75 (75/25 Poz/G) + 6% Bentonite (Extender) + 0.3% Versaset (Thixotropic Additive) + 2% Microbond (Expansion Additive)

Calculated sacks with corresponding mixed slurry weights, yields and water requirements for above cement will be as follows:

- 210 sx. if 11.0 ppg, 2.52 cfps, 14.96 gps fresh water
- 250 sx. if 11.5 ppg, 2.12 cfps, 11.98 gps fresh water
- 290 sx. if 12.0 ppg, 1.83 cfps, 9.82 gps fresh water
- 330 sx. if 12.5 ppg, 1.61 cfps, 8.17 gps fresh water

If lead slurry weight required is 13.0 ppg, cement will be:

325 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.0 ppg, 1.63 cfps, 8.16 gps fresh water

**Tail:** Tail volume to be calculated to bring cement from MTD to 400' above top of Wasatch Formation. Tail cement will be:

795 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.5 ppg, 1.47 cfps, 6.98 gps fresh water

Note: The above number of sacks in all cases are calculated based on gauge hole. Final field cement volumes will be based on gauge hole plus 50% excess on the lead slurry and gauge hole plus 70% excess on the tail slurry.

#### 10. ABNORMAL CONDITIONS:

#### Surface Hole (Surface - 2250'± MD):

Lost circulation

#### Production Hole (2250'± - MTD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.



#### CWU 1573-26D, CWU 1574-26D, CWU 1575-26D, CWU 1576-26D, CWU 1577-26D, CWU 1578-26D, CWU 1579-26D

SE/NE, SEC. 26, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

#### 12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

#### 13. Air Drilling Operations:

- 1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
- 6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

(Attachment: BOP Schematic Diagram)

#### EOG RESOURCES, INC. Well location, CWU #1578-26D, located as shown T9S, R22E, S.L.B.&M. in the SE 1/4 NE 1/4 of Section 26, T9S, R22E, S.L.B.&M., Uintah County, Utah. 1977 Brass Cap S89°56'44"W - 2653.38' (Meas.) S89°57'00"W - 2652.95' (Meas.) Brass Cap 1977 Brass Cap BASIS OF ELEVATION NOO°14'12"W 2633.44' (Meas. BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, 1972, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD 2228 (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET. CWU #1578-26D í, N00.02 Elev. Ungraded Ground = 5051' 328 Brass Cap 309' <del>-()</del> Bottom Hole 445.50' (G.L.O.) 26 1977 Brass Cap 0.8' High, Pile of Stones (Meas. LINE TABLE LINE **BEARING** LENGTH 70, 3083. SCALE L1 S04°33'47"E 256.73 N26°35'26"W 738.96 CERTIFICATE THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED TR FIELD NOTES OF ACTUAL SURVEYS MAKE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME AND TRUE AND CORRECT TO NO0.02,20"W BEST OF MY KNOWLEDGE AND BELIEF REGISTERED LAND SURVEYOR REGISTRATION NO. 161319 STATE OF WIAHITE OF UT 1977 Brass Cap 0.4' High, Steel Post. Pile of Stones Brass Cap Brass Cap UINTAH ENGINEERING LAND SURVEYING S89°53'21"W - 2663.95' (Meas.) S89°45'12"W - 2650.56' (Meas.) 85 SOUTH 200 EAST VERNAL, UTAH 84078 BASIS OF BEARINGS (435) 789-1017 BASIS OF BEARINGS IS A G.P.S. OBSERVATION. SCALE DATE SURVEYED: DATE DRAWN: \_EGEND: 1" = 1000'08-13-10 08 - 25 - 10NAD 83 (TARGET BOTTOM HOLE) NAD 83 (SURFACE LOCATION) REFERENCES PARTY = 90° SYMBOL LATITUDE = $40^{\circ}00'29.24"$ (40.008122) LATITUDE = $40^{\circ}00'31.77''$ (40.008825) C.R. C.K. LONGITUDE = 109°23′55.81" (109.398836) LONGITUDE = 109°23′56.07" (109.398908) M.D. G.L.O. PLAT = PROPOSED WELL HEAD. NAD 27 (TARGET BOTTOM HOLE) NAD 27 (SURFACE LOCATION) WEATHER FILE LATITUDE = $40^{\circ}00'31.89"$ (40.008858) LATITUDE = $40^{\circ}00'29.36"$ (40.008156) HOT = SECTION CORNERS LOCATED EOG RESOURCES, INC. LONGITUDE = $109^{\circ}23'53.36''$ (109.398156) LONGITUDE = $109^{\circ}23'53.62''$ (109.398228)

RECEIVED: October 06, 2011

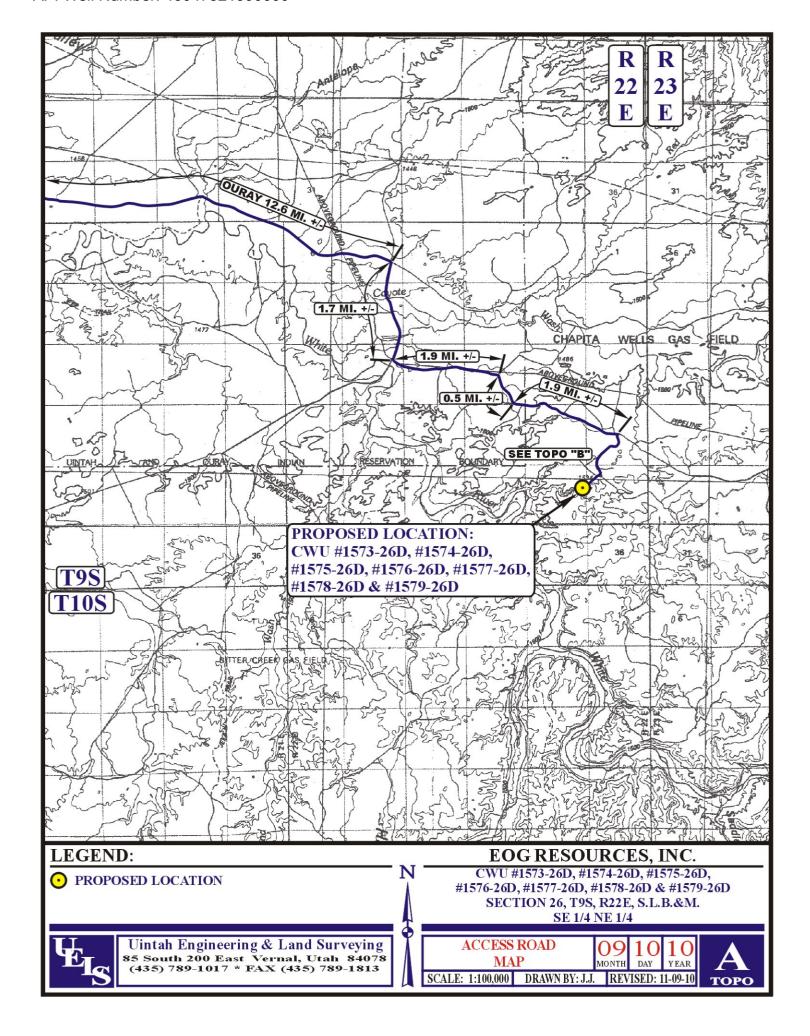
## EOG RESOURCES, INC.

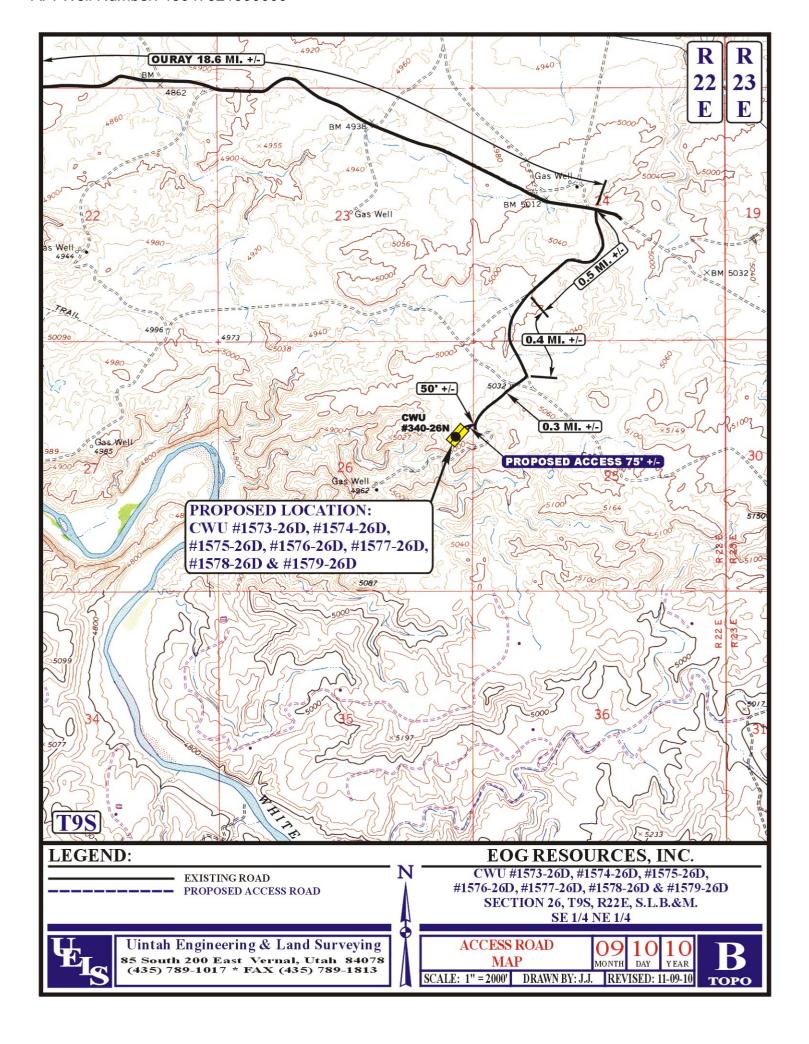
CWU #1573-26D, #1574-26D, #1575-26D, #1576-26D, #1577-26D, #1578-26D & #1579-26D SECTION 26, T9S, R22E, S.L.B.&M.

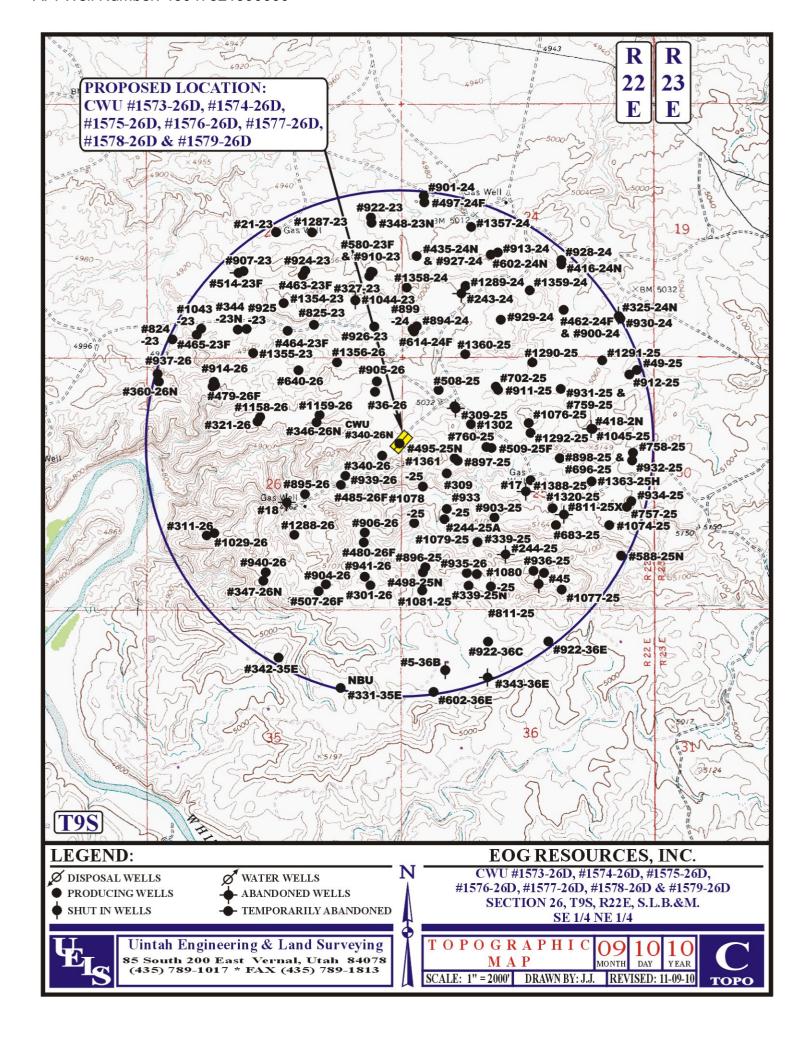
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST: TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH: TURN RIGHT AND PROCEED IN A SOUTHERLY. SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY. THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST: TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 50' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 75' TO THE CWU #340-26N AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.8 MILES.

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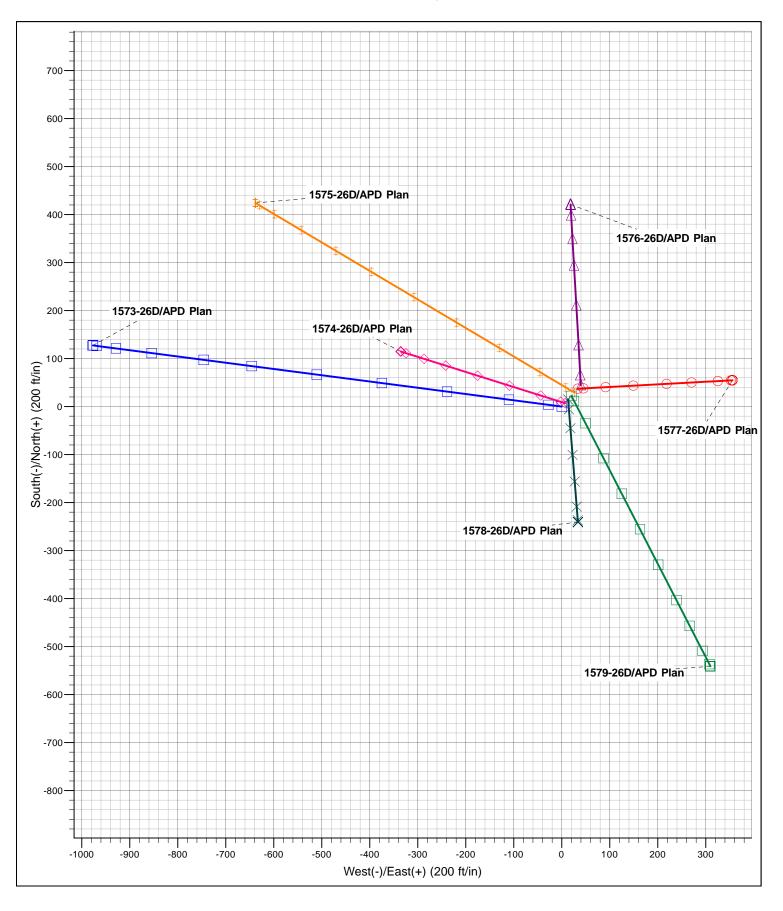






### CWU 1573-26D, CWU 1574-26D, CWU 1575-26D CWU 1576-26D, CWU 1577-26D, CWU 1578-26D, CWU 1579-26D

SE/NE, SEC. 26 T9S, R22E, S.L.B. & M. UINTAH COUNTY, UTAH



API Well Number: 43047521390000 -750 eog resources CWU 1578-26D Start Build 1.50 Section 26 T9S R22E **Uintah County, UT** 750 Start 1175.67 hold at 833.33 MD 1500 Surface Location Start Drop -1.00 NAD 1927 (NADCON CONUS) Utah North 4301 2250 Ground Elevation: 5050.00 RIG @ 5069.00ft (TRUE 34 (19' KB)) Northing Longitude Easting Latittude 2588832.24 -111097.76 40° 0' 31.889 N 109° 23' 53.621 W Start 6501.76 hold at 2809.01 MD 3000 True Vertical Depth (1500 ft/in) 3750 4500 South(-)/North(+) (95 ft/in) 5250 6000 6750 7500 -285 8250 -95 95 190 West(-)/East(+) (95 ft/in) 9000 TD at 9310.77 9750 Azimuths to True North Magnetic North: 10.98° Project: T9S-R22E Sec 26 Magnetic Field Site: CWU 1573-1579-26D (Pad\_CWU 340-26N\_Set 17) Strength: 52358.5snT 750 1500 Well: CWU 1578-26D Dip Angle: 65.90° Date: 9/19/2011 Model: IGRF200510 Plan: APD Directional Plan Vertical Section at 175.49deg (1500 ft/in) SECTION DETAILS TVD +N/-S +E/-W DLeg 0.00 **TFace** VSec Sec MD Inc Azi Target 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 300.00 300.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 175.49 831.60 -37.06 1.50 175.49 37.17 833.33 8.00 2.92 4 5 6 2009.04 8.00 175.49 1995.86 -200.18 15.79 0.00 0.00 200.80 2809.04 0.00 0.00 2793.27 -255.76 20.17 1.00 180.00 256.56 CWU 1578-26D (BHL) 9310.77 0.00 0.00 9295.00 -255.76 20.17 0.00 0.00 256.56 TARGET DETAILS +E/-W Northing Latitude Longitude Shape CWU 1578-26D (BP1295.00 20.17 -111352.96 2588858.60 40° 0' 29.362 N 109° 23' 53.362 W Circle (Radius: 50.00)

## **Denver Division - Utah**

T9S-R22E Sec 26 CWU 1573-1579-26D (Pad\_CWU 340-26N\_Set 17) CWU 1578-26D

**Original Wellbore** 

Plan: APD Directional Plan

## **Standard Planning Report**

19 September, 2011

#### **EOG Resources Inc**

#### Planning Report

Database: **EDM** 

Company:

Denver Division - Utah

Project:

T9S-R22E Sec 26

CWU 1573-1579-26D (Pad\_CWU Site: 340-26N\_Set 17)

Well: CWU 1578-26D

Wellbore: Design:

Original Wellbore APD Directional Plan Local Co-ordinate Reference:

**Survey Calculation Method:** 

**TVD Reference:** 

MD Reference:

North Reference:

Well CWU 1578-26D

RIG @ 5069.00ft (TRUE 34 (19' KB)) RIG @ 5069.00ft (TRUE 34 (19' KB))

Minimum Curvature

T9S-R22E Sec 26 **Project** 

Map System:

US State Plane 1927 (Exact solution)

Geo Datum:

NAD 1927 (NADCON CONUS)

System Datum:

Mean Sea Level

Map Zone:

Utah North 4301

CWU 1573-1579-26D (Pad\_CWU 340-26N\_Set 17) Site

Site Position: From:

Lat/Long

Northing: Easting:

-111,124.12ft 2,588,811.86ft Latitude: Longitude:

40° 0' 31.633 N 109° 23' 53.891 W

**Position Uncertainty:** 

0.00 ft

APD Directional Plan

Slot Radius:

**Grid Convergence:** 

1.39 deg

Well CWU 1578-26D

+N/-S

+E/-W

**Well Position** 

25.86 ft 21.01 ft Northing: Easting:

-111,097.76 ft 2,588,832.24 ft Latitude: Longitude:

40° 0' 31.889 N 109° 23' 53.621 W

**Position Uncertainty** 

0.00 ft

Wellhead Elevation:

ft **Ground Level:** 

5,050.00 ft

Wellbore Original Wellbore

**Model Name Declination Dip Angle** Field Strength Magnetics **Sample Date** (deg) (deg) (nT) IGRF200510 9/19/2011 10.98 65.90 52,358

Design

**Audit Notes:** Version:

Phase:

0.00

**PROTOTYPE** 

Tie On Depth:

0.00

**Vertical Section:** 

Depth From (TVD) (ft)

+N/-S (ft) 0.00

+E/-W (ft) 0.00

Direction (deg) 175.49

Plan Sections	s									
Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (?/100ft)	Build Rate (?/100ft)	Turn Rate (?/100ft)	TFO (deg)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
833.33	8.00	175.49	831.60	-37.06	2.92	1.50	1.50	0.00	175.49	
2,009.04	8.00	175.49	1,995.86	-200.18	15.79	0.00	0.00	0.00	0.00	
2,809.04	0.00	0.00	2,793.27	-255.76	20.17	1.00	-1.00	0.00	180.00	
9,310.77	0.00	0.00	9,295.00	-255.76	20.17	0.00	0.00	0.00	0.00	CWU 1578-26D (Bł

#### **EOG Resources Inc**

**Planning Report** 

Database: EDM Company:

Denver Division - Utah

Project:

Well:

T9S-R22E Sec 26

CWU 1573-1579-26D (Pad\_CWU Site:

340-26N\_Set 17) CWU 1578-26D

Wellbore: Original Wellbore Design: APD Directional Plan **Local Co-ordinate Reference:** 

TVD Reference: MD Reference:

North Reference:

**Survey Calculation Method:** 

Well CWU 1578-26D

RIG @ 5069.00ft (TRUE 34 (19' KB))

RIG @ 5069.00ft (TRUE 34 (19' KB))

Minimum Curvature

Design.									
Planned Survey									
Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (?/100ft)	Build Rate (?/100ft)	Turn Rate (?/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	1.50	175.49	399.99	-1.30	0.10	1.31	1.50	1.50	0.00
500.00	3.00	175.49	499.91	-5.22	0.41	5.23	1.50	1.50	0.00
600.00	4.50	175.49	599.69	-11.74	0.93	11.77	1.50	1.50	0.00
700.00	6.00	175.49	699.27	-20.86	1.65	20.92	1.50	1.50	0.00
800.00	7.50	175.49	798.57	-32.58	2.57	32.68	1.50	1.50	0.00
833.33	8.00	175.49	831.60	-37.06	2.92	37.17	1.50	1.50	0.00
900.00	8.00	175.49	897.62	-46.31	3.65	46.45	0.00	0.00	0.00
1,000.00	8.00	175.49	996.65	-60.18	4.75	60.37	0.00	0.00	0.00
1,100.00	8.00	175.49	1,095.67	-74.06	5.84	74.29	0.00	0.00	0.00
1,200.00	8.00	175.49	1,194.70	-87.93	6.94	88.20	0.00	0.00	0.00
1,300.00	8.00	175.49	1,293.73	-101.80	8.03	102.12	0.00	0.00	0.00
1,400.00	8.00	175.49	1,392.75	-115.68	9.12	116.04	0.00	0.00	0.00
1,500.00	8.00	175.49	1,491.78	-129.55	10.22	129.96	0.00	0.00	0.00
1,600.00	8.00	175.49	1,590.81	-143.43	11.31	143.87	0.00	0.00	0.00
1,700.00	8.00	175.49	1,689.83	-157.30	12.41	157.79	0.00	0.00	0.00
1,800.00	8.00	175.49	1,788.86	-171.18	13.50	171.71	0.00	0.00	0.00
1,900.00	8.00	175.49	1,887.89	-185.05	14.60	185.62	0.00	0.00	0.00
2,000.00	8.00	175.49	1,986.91	-198.92	15.69	199.54	0.00	0.00	0.00
2,009.04	8.00	175.49	1,995.86	-200.18	15.79	200.80	0.00	0.00	0.00
2,100.00	7.09	175.49	2,086.04	-212.08	16.73	212.74	1.00	-1.00	0.00
2,200.00	6.09	175.49	2,185.38	-223.53	17.63	224.22	1.00	-1.00	0.00
2,300.00	5.09	175.49	2,284.90	-233.24	18.40	233.96	1.00	-1.00	0.00
2,400.00	4.09	175.49	2,384.58	-241.22	19.03	241.96	1.00	-1.00	0.00
2,500.00	3.09	175.49	2,484.38	-247.46	19.52	248.23	1.00	-1.00	0.00
2,600.00	2.09	175.49	2,584.28	-251.96	19.87	252.75	1.00	-1.00	0.00
2,700.00	1.09	175.49	2,684.24	-254.73	20.09	255.52	1.00	-1.00	0.00
2,800.00	0.09	175.49	2,784.23	-255.76	20.17	256.55	1.00	-1.00	0.00
2,809.04	0.00	0.00	2,793.27	-255.76	20.17	256.56	1.00	-1.00	0.00
2,900.00	0.00	0.00	2,884.23	-255.76	20.17	256.56	0.00	0.00	0.00
3,000.00	0.00	0.00	2,984.23	-255.76	20.17	256.56	0.00	0.00	0.00
3,100.00	0.00	0.00	3,084.23	-255.76	20.17	256.56	0.00	0.00	0.00
3,200.00	0.00	0.00	3,184.23	-255.76	20.17	256.56	0.00	0.00	0.00
3,300.00	0.00	0.00	3,284.23	-255.76	20.17	256.56	0.00	0.00	0.00
3,400.00	0.00	0.00	3,384.23	-255.76	20.17	256.56	0.00	0.00	0.00
3,500.00	0.00	0.00	3,484.23	-255.76	20.17	256.56	0.00	0.00	0.00
3,600.00	0.00	0.00	3,584.23	-255.76	20.17	256.56	0.00	0.00	0.00
3,700.00	0.00	0.00	3,684.23	-255.76	20.17	256.56	0.00	0.00	0.00
3,800.00	0.00	0.00	3,784.23	-255.76	20.17	256.56	0.00	0.00	0.00
3,900.00	0.00	0.00	3,884.23	-255.76	20.17	256.56	0.00	0.00	0.00
4,000.00	0.00	0.00	3,984.23	-255.76	20.17	256.56	0.00	0.00	0.00
4,100.00	0.00	0.00	4,084.23	-255.76	20.17	256.56	0.00	0.00	0.00
4,200.00	0.00	0.00	4,184.23	-255.76	20.17	256.56	0.00	0.00	0.00
4,300.00	0.00	0.00	4,284.23	-255.76	20.17	256.56	0.00	0.00	0.00
4,400.00	0.00	0.00	4,384.23	-255.76	20.17	256.56	0.00	0.00	0.00
4,500.00	0.00	0.00	4,484.23	-255.76	20.17	256.56	0.00	0.00	0.00
4,600.00	0.00	0.00	4,584.23	-255.76	20.17	256.56	0.00	0.00	0.00
4,700.00	0.00	0.00	4,684.23	-255.76	20.17	256.56	0.00	0.00	0.00
4,800.00	0.00	0.00	4,784.23	-255.76	20.17	256.56	0.00	0.00	0.00
4,900.00	0.00	0.00	4,884.23	-255.76	20.17	256.56	0.00	0.00	0.00

#### **EOG** Resources Inc

**Planning Report** 

Database: EDM

Denver Division - Utah Company: Project: T9S-R22E Sec 26

CWU 1573-1579-26D (Pad\_CWU Site:

340-26N\_Set 17)

Well: CWU 1578-26D Original Wellbore Wellbore:

**Local Co-ordinate Reference:** 

**TVD Reference:** MD Reference: North Reference:

**Survey Calculation Method:** 

Well CWU 1578-26D

RIG @ 5069.00ft (TRUE 34 (19' KB)) RIG @ 5069.00ft (TRUE 34 (19' KB))

Minimum Curvature

Design:	APD Direction								
Planned Survey									
Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (?/100ft)	Build Rate (?/100ft)	Turn Rate (?/100ft)
5,000.00	0.00	0.00	4,984.23	-255.76	20.17	256.56	0.00	0.00	0.00
5,100.00	0.00	0.00	5,084.23	-255.76	20.17	256.56	0.00	0.00	0.00
5,200.00	0.00	0.00	5,184.23	-255.76	20.17	256.56	0.00	0.00	0.00
5,300.00	0.00	0.00	5,284.23	-255.76	20.17	256.56	0.00	0.00	0.00
5,400.00	0.00	0.00	5,384.23	-255.76	20.17	256.56	0.00	0.00	0.00
5,500.00	0.00	0.00	5,484.23	-255.76	20.17	256.56	0.00	0.00	0.00
5,600.00	0.00	0.00	5,584.23	-255.76	20.17	256.56	0.00	0.00	0.00
5,700.00	0.00	0.00	5,684.23	-255.76	20.17	256.56	0.00	0.00	0.00
5,800.00	0.00	0.00	5,784.23	-255.76	20.17	256.56	0.00	0.00	0.00
5,900.00	0.00	0.00	5,884.23	-255.76	20.17	256.56	0.00	0.00	0.00
6,000.00	0.00	0.00	5,984.23	-255.76	20.17	256.56	0.00	0.00	0.00
6,100.00	0.00	0.00	6,084.23	-255.76	20.17	256.56	0.00	0.00	0.00
6,200.00	0.00	0.00	6,184.23	-255.76	20.17	256.56	0.00	0.00	0.00
6,300.00	0.00	0.00	6,284.23	-255.76	20.17	256.56	0.00	0.00	0.00
6,400.00	0.00	0.00	6,384.23	-255.76	20.17	256.56	0.00	0.00	0.00
6,500.00	0.00	0.00	6,484.23	-255.76	20.17	256.56	0.00	0.00	0.00
6,600.00	0.00	0.00	6,584.23	-255.76	20.17	256.56	0.00	0.00	0.00
6,700.00	0.00	0.00	6,684.23	-255.76	20.17	256.56	0.00	0.00	0.00
6,800.00	0.00	0.00	6,784.23	-255.76	20.17	256.56	0.00	0.00	0.00
6,900.00	0.00	0.00	6,884.23	-255.76	20.17	256.56	0.00	0.00	0.00
7,000.00	0.00	0.00	6,984.23	-255.76	20.17	256.56	0.00	0.00	0.00
7,100.00	0.00	0.00	7,084.23	-255.76	20.17	256.56	0.00	0.00	0.00
7,200.00	0.00	0.00	7,184.23	-255.76	20.17	256.56	0.00	0.00	0.00
7,300.00	0.00	0.00	7,284.23	-255.76	20.17	256.56	0.00	0.00	0.00
7,400.00	0.00	0.00	7,384.23	-255.76	20.17	256.56	0.00	0.00	0.00
7,500.00	0.00	0.00	7,484.23	-255.76	20.17	256.56	0.00	0.00	0.00
7,600.00	0.00	0.00	7,584.23	-255.76	20.17	256.56	0.00	0.00	0.00
7,700.00	0.00	0.00	7,684.23	-255.76	20.17	256.56	0.00	0.00	0.00
7,800.00	0.00	0.00	7,784.23	-255.76	20.17	256.56	0.00	0.00	0.00
7,900.00	0.00	0.00	7,884.23	-255.76	20.17	256.56	0.00	0.00	0.00
8,000.00	0.00	0.00	7,984.23	-255.76	20.17	256.56	0.00	0.00	0.00
8,100.00	0.00	0.00	8,084.23	-255.76	20.17	256.56	0.00	0.00	0.00
8,200.00	0.00	0.00	8,184.23	-255.76	20.17	256.56	0.00	0.00	0.00
8,300.00	0.00	0.00	8,284.23	-255.76	20.17	256.56	0.00	0.00	0.00
8,400.00	0.00	0.00	8,384.23	-255.76	20.17	256.56	0.00	0.00	0.00
8,500.00	0.00	0.00	8,484.23	-255.76	20.17	256.56	0.00	0.00	0.00
8,600.00	0.00	0.00	8,584.23	-255.76	20.17	256.56	0.00	0.00	0.00
8,700.00	0.00	0.00	8,684.23	-255.76	20.17	256.56	0.00	0.00	0.00
8,800.00	0.00	0.00	8,784.23	-255.76	20.17	256.56	0.00	0.00	0.00
8,900.00	0.00	0.00	8,884.23	-255.76	20.17	256.56	0.00	0.00	0.00
9,000.00	0.00	0.00	8,984.23	-255.76	20.17	256.56	0.00	0.00	0.00
9,100.00	0.00	0.00	9,084.23	-255.76	20.17	256.56	0.00	0.00	0.00
9,200.00 9,300.00 9,310.77 <b>CWU 1578-</b>	0.00 0.00 0.00 <b>26D (BHL)</b>	0.00 0.00 0.00	9,184.23 9,284.23 9,295.00	-255.76 -255.76 -255.76	20.17 20.17 20.17	256.56 256.56 256.56	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00

#### **EOG Resources Inc**

**Planning Report** 

EDM Database:

Company: Denver Division - Utah

Project:

T9S-R22E Sec 26

CWU 1573-1579-26D (Pad\_CWU Site:

340-26N\_Set 17)

0.00

0.00 9,295.00

Well: CWU 1578-26D Wellbore: Original Wellbore Design: APD Directional Plan **Local Co-ordinate Reference:** 

**TVD Reference:** MD Reference:

North Reference:

Well CWU 1578-26D

RIG @ 5069.00ft (TRUE 34 (19' KB)) RIG @ 5069.00ft (TRUE 34 (19' KB))

40° 0' 29.362 N 109° 23' 53.362 W

2,588,858.60

Minimum Curvature

**Survey Calculation Method:** 

-111,352.96

**Design Targets** 

**Target Name** 

- hit/miss target Dip Dir. TVD +N/-S +E/-W Northing Dip Angle **Easting** - Shape (deg) (deg) (ft) (ft) (ft) (ft) (ft) Longitude Latitude

20.17

-255.76

CWU 1578-26D (BHL - plan hits target center - Circle (radius 50.00)



# Chapita Wells Unit 1573-26D, 1574-26D, 1575-26D, 1577-26D, 1578-26D, 1579-26D SE/NE, Section 26, T9S, R22E Uintah County, Utah

#### SURFACE USE PLAN

The well pad is approximately 445 feet long with a 235-foot width, containing 2.4 acres more or less. The well access road is approximately 75 feet long with a 30-foot right-of-way, disturbing approximately .052 acres. New surface disturbance associated with access road and the well pad is estimated to be approximately 1.26 acres.

#### 1. Existing Roads:

- A. See attached Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 50.8 miles south of Vernal, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

#### 2. PLANNED ACCESS ROAD:

- A. The access road will be approximately 75' in length, with culverts installed on an asneeded basis. See attached Topo B.
- B. The access road has a 30-foot ROW w/18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.
- I. A 30-foot permanent right-of-way is requested. No surfacing material will used.

Chapita Wells Unit 1573-26D, 1574-26D, 1575-26D, 1576-26D, 1577-26D, 1578-26D, 1579-26D Surface Use Plan Page 2

J. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

All travel will be confined to existing access road rights-of-way.

New or reconstructed roads will be centerlined – flagged at time of location staking. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed, safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30-foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the roadbed block the drainages. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around then avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 30-foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

#### 3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

See attached TOPO map "C" for the location of wells within a one-mile radius.

#### 4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

#### A. On Well Pad

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, four to six (4-6) 400-bbl vertical tanks and attaching piping.
- 2. Gas gathering lines A 4" gathering line will be buried from dehy to the edge of the location.

Chapita Wells Unit 1573-26D, 1574-26D, 1575-26D, 1576-26D, 1577-26D, 1578-26D, 1579-26D Surface Use Plan Page 3

#### B. Off Well Pad

- 1. Proposed pipeline will transport natural gas.
- 2. The pipeline will be a permanent feeder line.
- 3. No off well pad pipeline will be required. The existing pipeline for producing Chapita Wells Unit 340-26N will be used.
- 4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface
- 5. Proposed pipeline will be laid on surface.
- 6. Pipeline will be coupled using the Zap lock method. No additional off-pad facilities will be required.

Containment berms will be constructed completely around production facilities designed to hold fluids (i.e., production tanks, produced water tanks, and/or heater/treater). The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 110 percent of the capacity of the largest tank, and be independent of the back cut.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. **All facilities will be painted with Carlsbad Canyon.** Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

#### 5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water supply will be from Ouray Municipal Water Plant at Ouray, Utah, and/or Bonanza Power Plant water source in Sec 26, T8S, R23E, Uintah County, UT (State Water Right # 49-225(A31368)). Water will be hauled by a licensed trucking company.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

#### 6. Source of Construction Materials:

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

Chapita Wells Unit 1573-26D, 1574-26D, 1575-26D, 1576-26D, 1577-26D, 1578-26D, 1579-26D Surface Use Plan Page 4

#### 7. METHODS OF HANDLING WASTE DISPOSAL:

#### A. METHODS AND LOCATION

- 1. Cuttings will be confined and dried in a cuttings pit. Dried cuttings shall be spread on the access road.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 4. Produced wastewater will be confined to a storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, CWU 550-30N SWD CWU 2-29 SWD, Red Wash Evaporation Ponds 1, 2, 3, 4, 5, 6, or 7, or Coyote Evaporation Ponds 1, 2, 3, or 4, or White River Evaporation Ponds 1, or 2, or Hoss SWD Facility: right-of-way UTU 86010, and UTU 897093, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either natural or artificial evaporation methods, or removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the closed loop system will be avoided by flaring them off in the flare pit at the time of recovery.

The referenced well will be drilled utilizing a closed loop system. The closed loop system will be installed in a manner that prevents leaks, breaks, or discharge. Drill cutting will be contained in an area approximately 50' x 100'. The surface drill cuttings pile will be bermed and lined with bentonite. Drill cuttings will be dried and spread on the location and access road. More stringent protective requirements may be deemed necessary by the A.O.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and

Chapita Wells Unit 1573-26D, 1574-26D, 1575-26D, 1576-26D, 1577-26D, 1578-26D, 1579-26D Surface Use Plan Page 5

commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.

#### 8. Ancillary Facilities:

None anticipated.

#### 9. WELL SITE LAYOUT:

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The proposed location will be drilled utilizing a closed loop system.

The stockpiled location topsoil will be stored in a location providing easy access for interim reclamation and protection of the topsoil. Upon completion of construction, the stockpiled topsoil from the location will be seeded with the approved seed mixture from this.

Access to the well pad will be from the east.

The drainage(s) shall be diverted around the West side(s) of the well pad location.

The Southeast and Northeast corners of the well pad will be rounded off to minimize excavation.

Chapita Wells Unit 1573-26D, 1574-26D, 1575-26D, 1576-26D, 1577-26D, 1578-26D, 1579-26D Surface Use Plan Page 6

#### 10. PLANS FOR RECLAMATION OF THE SURFACE:

#### A. Interim Reclamation (Producing Location)

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The portion of the location not needed for production facilities/operations will be reclaimed – See attached Figure #3.

The stockpiled topsoil will then be spread over closed loop area (See Figure #4) and broadcast seeded with the prescribed seed mixture for this location as authorized within EOG's reclamation plan filed September 29, 2009.

#### B. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriate surface rehabilitation conditions of approval.

#### 11. SURFACE OWNERSHIP:

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

Bureau of Land Management

#### 12. OTHER INFORMATION:

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
  - Whether the materials appear eligible for the National Register of Historic Places;
  - The mitigation measures the operator will likely have to undertake before the site can be used.

 A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application or herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)
- D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied, as needed, to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A block cultural resources survey was conducted and submitted by Montgomery Archaeological Consultants, State of Utah Antiquities Permit Number U-10-MQ-0848b, on November 15, 2010. Paleontological survey was conducted and submitted by Intermountain

Chapita Wells Unit 1573-26D, 1574-26D, 1575-26D, 1576-26D, 1577-26D, 1578-26D, 1579-26D Surface Use Plan Page 8

Paleo, IPC Report # 10-195, on February 3, 2011. A Uintah Basin Hookless Cactus (Sclearochactus Wetlandicus) survey was conducted and will be submitted by Graslands.

#### **Additional Surface Stipulations:**

None

Chapita Wells Unit 1573-26D, 1574-26D, 1575-26D, 1576-26D, 1577-26D, 1578-26D, 1579-26D Surface Use Plan Page 9

#### LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

#### **PERMITTING AGENT**

Nanette Lupcho EOG Resources, Inc. 1060 East Highway 40 Vernal, UT 84078 (435) 781-9157

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

Chapita Wells Unit 1573-26D, 1574-26D, 1575-26D, 1576-26D, 1577-26D, 1578-26D, 1579-26D Surface Use Plan Page 10

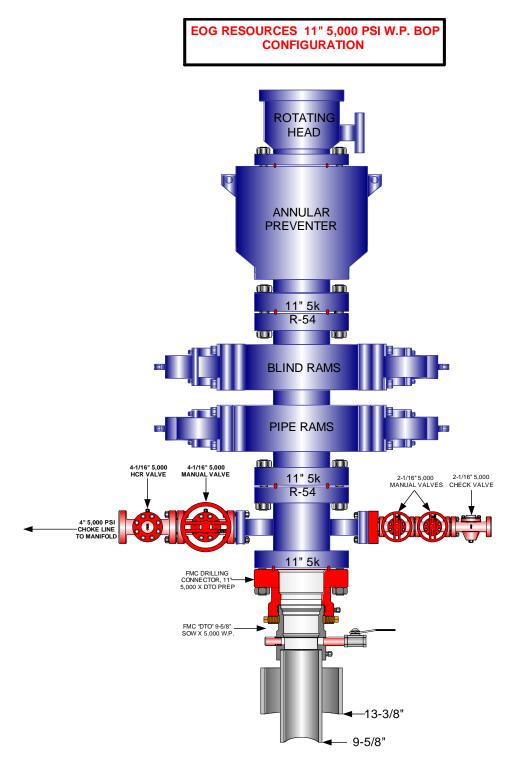
#### **CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the Chapita Wells Unit 1573-26D, 1574-26D, 1575-26D, 1576-26D, 1577-26D, 1578-26D and 1579-26D Wells, located in the SE/NE, of Section 26, T9S, R22E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

November 27, 2011	
Date	Nanette M. Lupcho Regulatory Assistant

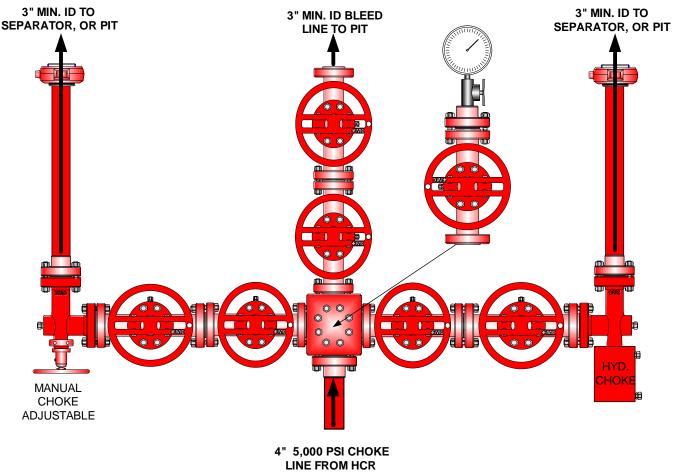
Onsite Date: September 28, 2011



PAGE 1 OF 2

#### EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/5,000 PSI WP VALVES

**PAGE 2 0F 2** 



## VALVE

#### **Testing Procedure:**

- 1. BOP will be tested with a professional tester to conform to Onshore Order #2.
- 2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
- 3. Annular Preventer will be tested to 50% working pressure, 2,500 psi. Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, whichever is greater.
- 4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
- 5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.

**EOG RESOURCES, INC.** CWU #1573-26D, #1574-26D, #1575-26D, #1576-26D, #1577-26D, #1578-26D & #1579-26D LOCATED IN UINTAH COUNTY, UTAH

**SECTION 26, T9S, R22E, S.L.B.&M.** 

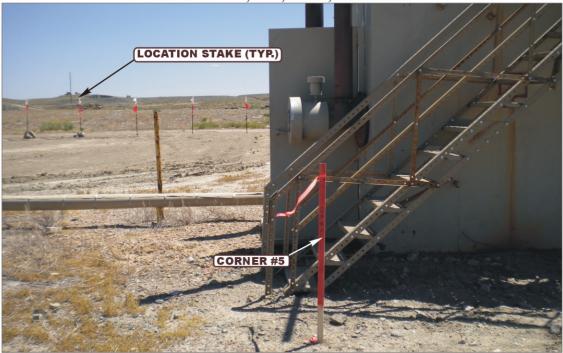


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

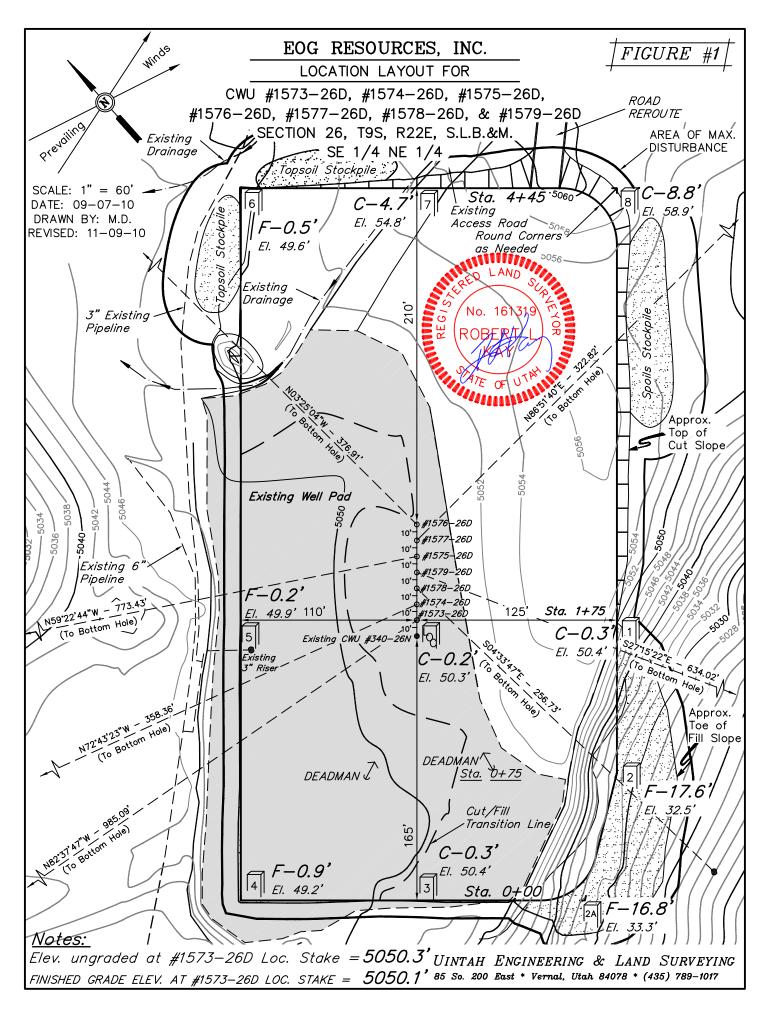


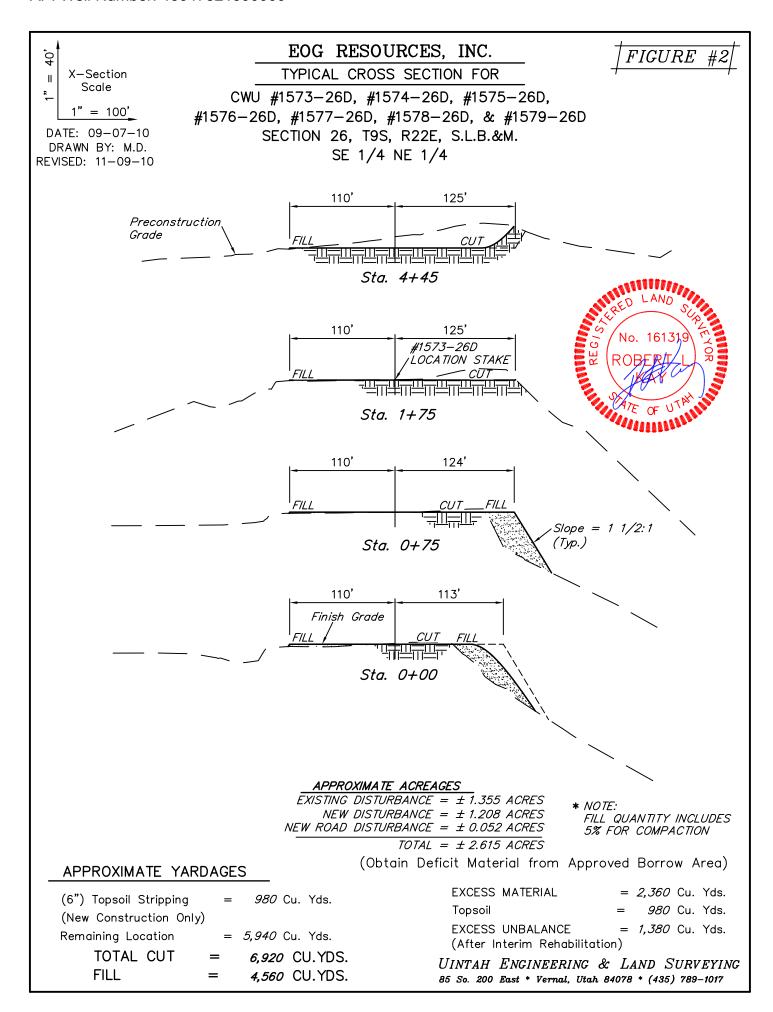
PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

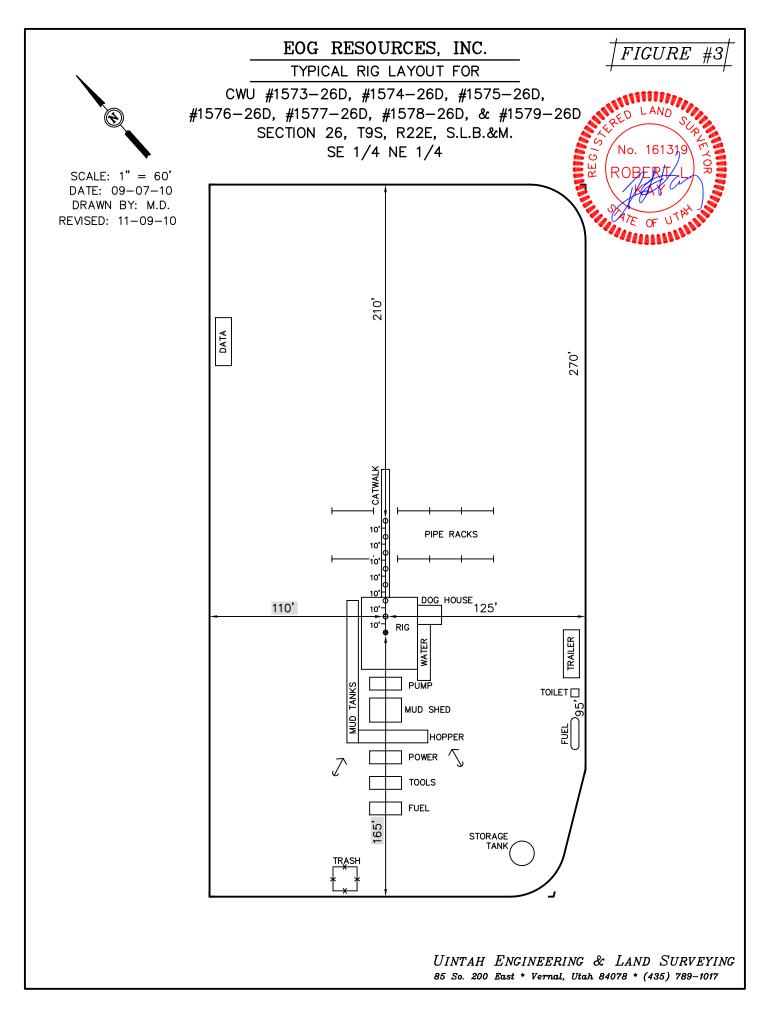
CAMERA ANGLE: SOUTHWESTERLY

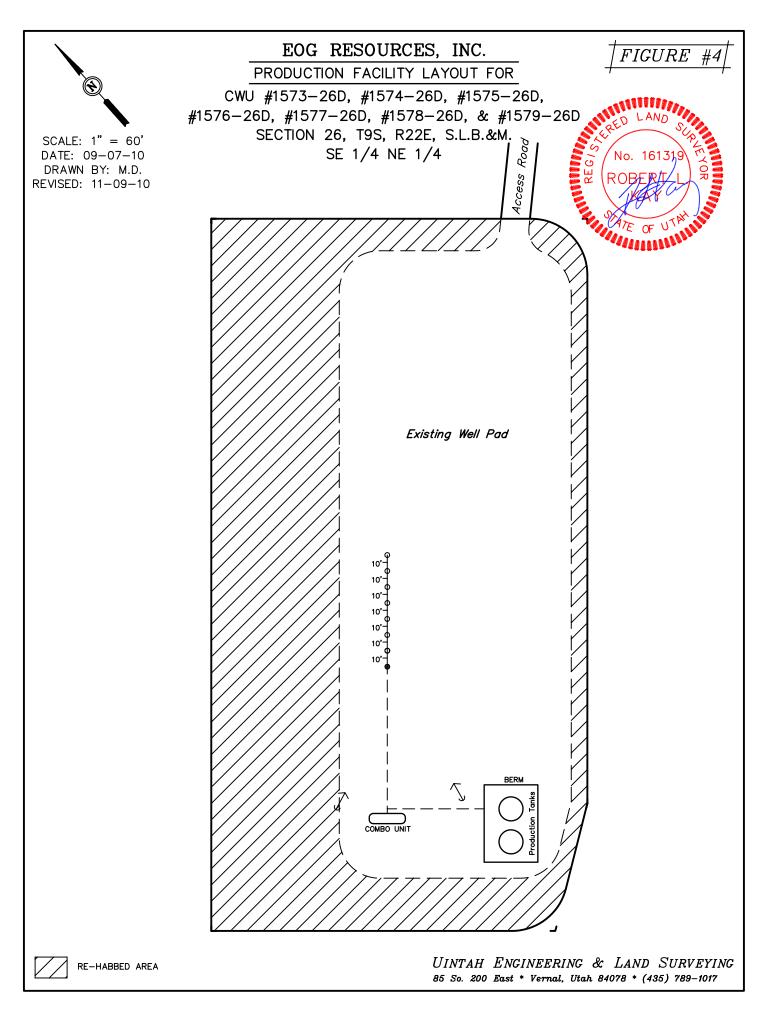


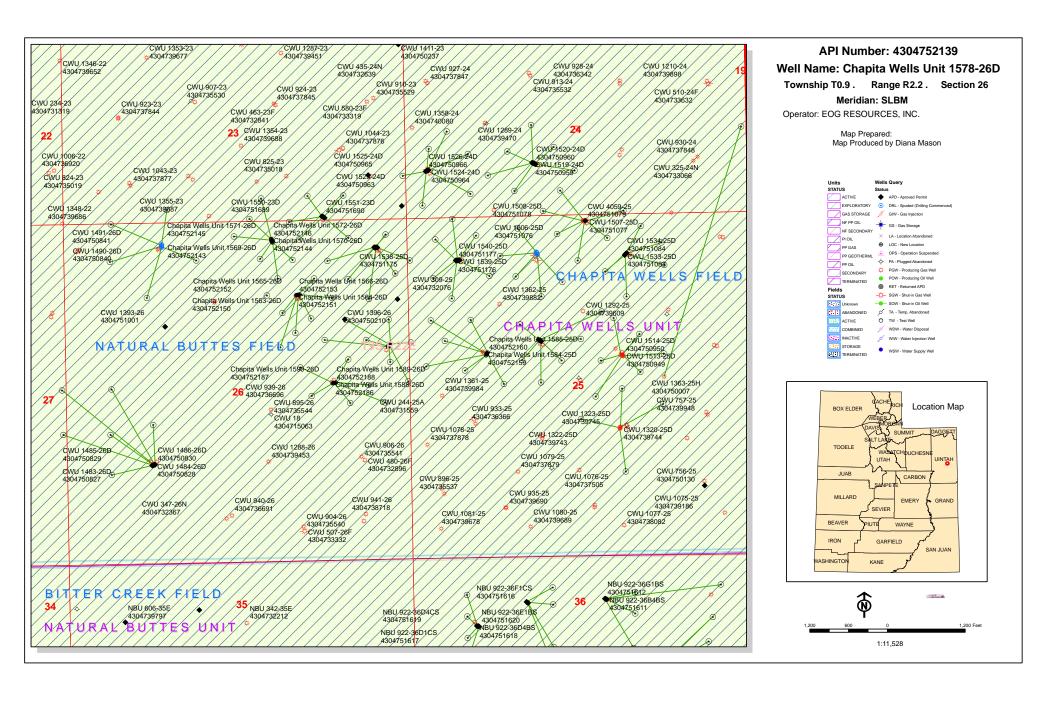
LOCATION					РНОТО
TAKEN BY: C.R.	DRAWN BY: J.J.	REV	ISED: 1	1-09-10	











API Well Number: 43047521390000

## **United States Department of the Interior**

#### BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

November 4, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Chapita Wells Unit

Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Chapita Wells Unit, Uintah County, Utah.

API# WELL NAME LOCATION

(Proposed PZ MESA VERDE)

#### PAD SENE 26

43-047-52134 CWU 1573-26D Sec 26 T09S R22E 1987 FNL 0341 FEL BHL Sec 26 T09S R22E 1860 FNL 1318 FEL 43-047-52135 CWU 1574-26D Sec 26 T09S R22E 1980 FNL 0335 FEL BHL Sec 26 T09S R22E 1873 FNL 0676 FEL 43-047-52136 CWU 1575-26D Sec 26 T09S R22E 1958 FNL 0315 FEL BHL Sec 26 T09S R22E 1563 FNL 0979 FEL 43-047-52137 CWU 1576-26D Sec 26 T09S R22E 1943 FNL 0301 FEL BHL Sec 26 T09S R22E 1566 FNL 0322 FEL 43-047-52138 CWU 1577-26D Sec 26 T09S R22E 1950 FNL 0308 FEL BHL Sec 25 T09S R22E 1933 FNL 0014 FWL 43-047-52139 CWU 1578-26D Sec 26 T09S R22E 1972 FNL 0328 FEL BHL Sec 26 T09S R22E 2228 FNL 0309 FEL 43-047-52140 CWU 1579-26D Sec 26 T09S R22E 1965 FNL 0321 FEL BHL Sec 26 T09S R22E 2529 FNL 0033 FEL PAD NWNE 26 43-047-52141 CWU 1567-26D Sec 26 T09S R22E 0331 FNL 2103 FEL BHL Sec 26 T09S R22E 0611 FNL 1794 FEL 43-047-52142 CWU 1568-26D Sec 26 T09S R22E 0340 FNL 2100 FEL BHL Sec 26 T09S R22E 0894 FNL 2030 FEL

Page 2

API#	WI	ELL NAME				LOC	CATION					
(Proposed PZ	MESA	A VERDE)										
<b>PAD NWNE 26</b> 43-047-52143	CWU					R22E R22E						
43-047-52144	CWU					R22E R22E						
43-047-52145	CWU					R22E R22E						
43-047-52146						R22E R22E						
<b>PAD NWNE (2) 2</b> 43-047-52147		1560-26D	Sac	26	т∩ас	D22F	1152	FNT	1692	FFI		
13 047 32147	CWO					R22E						
43-047-52148	CWU					R22E R22E						
43-047-52149	CWU					R22E R22E						
43-047-52150	CWU					R22E R22E						
43-047-52152	CWU					R22E R22E						
PAD SWNW 25												
43-047-52155	CWU					R22E R22E						
43-047-52156	CWU					R22E R22E						
43-047-52157	CWU					R22E R22E						
43-047-52158	CWU					R22E R22E						
43-047-52159	CWU					R22E R22E						
43-047-52160	CWU					R22E R22E						
This offictime.	e ha	as no ob	ject	cio	n to	perm	nitti	ing	the	wells	at	this



API Well Number: 43047521390000

Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:11-4-11

API Well Number: 43047521390000

#### WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 11/1/2011 API NO. ASSIGNED: 43047521390000

WELL NAME: Chapita Wells Unit 1578-26D **OPERATOR:** EOG Resources, Inc. (N9550)

**CONTACT:** Nanette Lupcho

PROPOSED LOCATION: SENE 26 090S 220E **Permit Tech Review:** 

> **SURFACE: 1972 FNL 0328 FEL Engineering Review:**

**BOTTOM:** 2228 FNL 0309 FEL Geology Review:

**COUNTY: UINTAH** 

**LATITUDE:** 40.00885 **LONGITUDE:** -109.39888 **UTM SURF EASTINGS: 636657.00** NORTHINGS: 4429968.00

FIELD NAME: NATURAL BUTTES **LEASE TYPE:** 1 - Federal

**LEASE NUMBER: UTU0285A** PROPOSED PRODUCING FORMATION(S): MESA VERDE SURFACE OWNER: 1 - Federal **COALBED METHANE: NO** 

**RECEIVED AND/OR REVIEWED: LOCATION AND SITING:** 

 PLAT R649-2-3.

Unit: CHAPITA WELLS Bond: FEDERAL - NM2308

**Potash** R649-3-2. General

✓ Oil Shale 190-5

Oil Shale 190-3 R649-3-3. Exception

Oil Shale 190-13 **Drilling Unit** 

Board Cause No: Cause 179-08 Water Permit: 49-225

**Effective Date:** 8/10/1999 **RDCC Review:** 

Siting: Suspends General Siting **Fee Surface Agreement** 

**Intent to Commingle** ▼ R649-3-11. Directional Drill

**Commingling Approved** 

**Comments:** Presite Completed

Stipulations:

4 - Federal Approval - dmason 15 - Directional - dmason 17 - Oil Shale 190-5(b) - dmason

**PHONE NUMBER:** 435 781-9157

API Well No: 43047521390000



### State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

#### **Permit To Drill**

\*\*\*\*\*

Well Name: Chapita Wells Unit 1578-26D

**API Well Number:** 43047521390000

Lease Number: UTU0285A Surface Owner: FEDERAL Approval Date: 11/21/2011

#### **Issued to:**

EOG Resources, Inc., 1060 East Highway 40, Vernal, UT 84078

#### **Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-08. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### **Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

#### **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

API Well No: 43047521390000

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

#### **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

**Approved By:** 

For John Rogers Associate Director, Oil & Gas Form 3160-3 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0136 Expires July 31, 2010

BUREAU OF LAND		5. Lease Serial No. UTU0285A	
APPLICATION FOR PERMIT	TO DRILL OR REENTER	6. If Indian, Allottee or Trib	oe Name
1a. Type of Work: 🛛 DRILL 🔲 REENTER		7. If Unit or CA Agreement CHAPITA WELLS U	t, Name and No.
1b. Type of Well: ☐ Oil Well 🔀 Gas Well ☐ Ot		8. Lease Name and Well No CHAPITA WELLS UNI	o. T 1578-26D
EOG RESOURCES, INC E-Mail: nanette	NANETTE H LUPCHO _lupcho@eogresources.com	9. API Well No. 5213	9
3a. Address 1060 EAST HWY 40 VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-9157	10. Field and Pool, or Explo NATURAL BUTTES	oratory
4. Location of Well (Report location clearly and in accorded	nnce with any State requirements.*)	11. Sec., T., R., M., or Blk.	and Survey or Area
At surface SENE 1972FNL 328FEL 4	0.008825 N Lat, 109.398908 W Lon	Sec 26 T9S R22E M	er SLB
At proposed prod. zone SENE 2228FNL 309FEL 4	0.008122 N Lat, 109.398836 W Lon		
14. Distance in miles and direction from nearest town or post 50.8 MILES SOUTH OF VERNAL, UT	office*	12. County or Parish UINTAH	13. State UT
<ol> <li>Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)</li> </ol>	16. No. of Acres in Lease	17. Spacing Unit dedicated t	to this well
309'	1800.00		
18. Distance from proposed location to nearest well, drilling,	19. Proposed Depth	20. BLM/BIA Bond No. on	file
completed, applied for, on this lease, ft. 890'	9311 MD 9295 TVD	NM2308	
21. Elevations (Show whether DF, KB, RT, GL, etc. 5051 GL	22. Approximate date work will start	23. Estimated duration 45 DAYS	
	24. Attachments		
The following, completed in accordance with the requirements of	Onshore Oil and Gas Order No. 1, shall be attached to the	nis form:	<del></del>
Well plat certified by a registered surveyor.     A Drilling Plan.     A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Off	4. Bond to cover the operation Item 20 above). 5. Operator certification	ns unless covered by an existing	•
25. Signature (Electronic Submission)	Name (Printed/Typed) NANETTE H LUPCHO Ph: 435-781-915	7	Date 10/31/2011
Title REGULATORY ASSISTANT			
Approved by (Signature)	Name (Printed/Typed)  Jerry Kenczka		APR 0 4 2012
Title Assistant Field Manager	Office	<b>S</b>	*** ** * * *****
Lands & Mineral Resources	VERNAL FIELD OF	FICE	•
Application approval does not warrant or certify the applicant holoperations thereon.			licant to conduct
Conditions of approval, if any, are attached.	CONDITIONS OF APPROV	AL ATTACHED	

Additional Operator Remarks (see next page)

States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Electronic Submission #121812 verified by the BLM Well Information System For EOG RESOURCES, INC, sent to the Vernal

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United

NOTICE OF APPROVAL

RECEIVED APR 1 1 2012

DIV. OF OIL, GAS & MINING

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

int alreball



# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078

(435) 781-4400



#### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Well No: API No: EOG Resources, Inc.

CWU 1578-26D

43-047-52139

Location:

SENE, Sec. 26, T9S, R22E

Lease No: UTU-0285A

Agreement:

Chapita Wells Unit

**OFFICE NUMBER:** 

(435) 781-4400

OFFICE FAX NUMBER:

(435) 781-3420

## A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

#### **NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to:  blm_ut_vn_opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 7 Well: CWU 1578-26D 3/28/2012

## SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 designrated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop
  work and contact the Authorized Officer (AO). A determination will be made by the AO as to what
  mitigation may be necessary for the discovered paleontologic material before construction can
  continue.
- The old access road will be fully reclaimed during construction.
- Monitor the <u>initial</u> construction of the well pad, access road and pipeline by a qualified permitted
  paleontologist and thereafter <u>spot-monitor</u> the location during the remainder of the construction
  process. Report all mitigation-curation of vertebrates and other scientifically significant fossils that
  may be affected by the construction.

Page 3 of 7 Well: CWU 1578-26D 3/28/2012

## DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

#### SITE SPECIFIC DOWNHOLE COAs:

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200 ft above the surface casing shoe.
- Surface casing cement shall be brought to surface.
- A variance is granted for Onshore Order #2 Drilling Operations III. E. "Blooie line discharge 100 feet from well bore and securely anchored" Blooie line can be 75 feet. All requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.
- Variances Granted: Air Drilling
- Properly lubricated and maintained rotating head. Variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore. Variances granted for blooie line discharge to be 75' from the well bore and may not be straight.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for rig mounted air compressors located within 40' of the well.
- In lieu of mud products on location, operator will have sufficient water on location for the mud kill medium during air drilling operations.
- Automatic igniter. Variance granted for igniter, a diffuser will be used instead. Operator will mount a
  deflector at the end of the blooie line to change direction and reduce the velocity of the cuttings flow
  to the reserve pit.
- De-dusting Equipment. Variance granted, dust controlled by water mist during air drilling operations.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air

Page 4 of 7 Well: CWU 1578-26D 3/28/2012

drilling of surface hole.

- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM,
   Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to BLM\_UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must

Page 5 of 7 Well: CWU 1578-26D 3/28/2012

have prior approval from the BLM Vernal Field Office.

Page 6 of 7 Well: CWU 1578-26D 3/28/2012

#### **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at <a href="https://www.ONRR.gov">www.ONRR.gov</a>.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
  notified when it is placed in a producing status. Such notification will be by written communication
  and must be received in this office by not later than the fifth business day following the date on
  which the well is placed on production. The notification shall provide, as a minimum, the following
  informational items:
  - o Operator name, address, and telephone number.
  - o Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - o The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

Page 7 of 7 Well: CWU 1578-26D 3/28/2012

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering
  lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a
  suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be
  obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior approval
  of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior
  approval of the BLM Vernal Field Office shall be obtained and notification given before resumption
  of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Sundry Number: 32255 API Well Number: 43047521390000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE		FORM 9
ı	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A		
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	oposals to drill new wells, significantly d reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1578-26D
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047521390000
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000		PHONE NUMBER: 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1972 FNL 0328 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SENE Section: 2	HIP, RANGE, MERIDIAN: 6 Township: 09.0S Range: 22.0E Meridia	an: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATI	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	CHANGE TO PREVIOUS PLANS  CHANGE WELL STATUS  DEEPEN  OPERATOR CHANGE  PRODUCTION START OR RESUME  REPERFORATE CURRENT FORMATION  TUBING REPAIR  WATER SHUTOFF  WILDCAT WELL DETERMINATION  COMPLETED OPERATIONS. Clearly show all nc. respectfully requests the A well be extended for one ye	APD for the referenced	CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  ✓ APD EXTENSION  OTHER:  Depths, volumes, etc.  Approved by the  Utah Division of  Oil, Gas and Mining  Date: November 21, 2012  By:
NAME (PLEASE PRINT)	PHONE NUMBE		
Kaylene Gardner SIGNATURE	435 781-9111	Regulatory Administrator  DATE	
N/A		11/20/2012	

Sundry Number: 32255 API Well Number: 43047521390000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047521390000

**API:** 43047521390000 **Well Name:** CWU 1578-26D

Location: 1972 FNL 0328 FEL QTR SENE SEC 26 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 11/21/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
• Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
• Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
• Has the approved source of water for drilling changed? 🧼 Yes 🌘 No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   Yes   No
natura. Kaylana Cardnar Data. 11/20/2012

Signature: Kaylene Gardner Date: 11/20/2012

Title: Regulatory Administrator Representing: EOG RESOURCES, INC.

Sundry Number: 44920 API Well Number: 43047521390000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOU			FORM
ı	5.LEASE DESIGNATION AND SERIAL NUMBER UTU0285A			
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	posals to drill new wells, significant reenter plugged wells, or to drill hori n for such proposals.			7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: CWU 1578-26D
2. NAME OF OPERATOR: EOG RESOURCES, INC.				9. API NUMBER: 43047521390000
3. ADDRESS OF OPERATOR: 1060 East Highway 40, Ve	rnal, UT, 84078 43:		NE NUMBER: 111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1972 FNL 0328 FEL				COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 6 Township: 09.0S Range: 22.0E Me	ridian: S	8	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDIC	CATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION  COMPLETED OPERATIONS. Clearly sho	ow all per	) for the referenced	CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  ✓ APD EXTENSION  OTHER:  Depths, volumes, etc.  Approved by the Utah Division of Oil, Gas and Mining  Date: November 18, 2013  By:
NAME (PLEASE PRINT)	PHONE NUI	MBER	TITLE	
Kaylene Gardner SIGNATURE	435 781-9111		Regulatory Administrator  DATE	
N/A			11/14/2013	

Sundry Number: 44920 API Well Number: 43047521390000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047521390000

API: 43047521390000 Well Name: CWU 1578-26D

Location: 1972 FNL 0328 FEL QTR SENE SEC 26 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 11/21/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated? 🔵 Yes 📵 No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
• Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
• Has the approved source of water for drilling changed?   Yes  No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   Yes   No
nature: Kaylene Gardner Date: 11/14/2013

Signature: Kaylene Gardner

Title: Regulatory Administrator Representing: EOG RESOURCES, INC.

Form 3160-5 (August 2007)

## **UNITED STATES**

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

MAR 2 6 2014

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drift it to the interval abandoned well. Use form 3160-3 (APD) to such proposals.

5. Lease Serial No. UTU0285A

6. If Indian, Allottee or Tribe Name	
<ol> <li>If Unit or CA/Agreement, Name and/or No. 892000905BF</li> </ol>	
8. Well Name and No. CHAPITA WELLS UNIT 1578-26D	

SUBMIT IN TRIPLICATE - Other instructions on reverse side.					7. If Unit or CA/Agreement, Name and/or No. 892000905BF		
Type of Well     Oil Well				8. Well Name and No. CHAPITA WELLS UNIT 1578-26D			
Name of Operator     EOG RESOURCES INC	Contact: [ E-Mail: DONNA_SK	ONNA J SKI INNER@EOGI		СОМ	9. API Well No. 43-047-52139-00	)-X1	
3a. Address 600 17TH STREET, SUITE 10 DENVER, CO 80202	000N	3b. Phone No. ( Ph: 303 262		le)	e) 10. Field and Pool, or Exploratory NATURAL BUTTES		
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  Sec 26 T9S R22E SENE 1972FNL 328FEL  40.008825 N Lat, 109.398908 W Lon			P 2 9 2014  11. County or Parish, and State  UINTAH COUNTY, UT  DIL, GAS & MINING				
12. CHECK APPI	ROPRIATE BOX(ES) TO				EPORT, OR OTHER	DATA	
TYPE OF SUBMISSION			TYPE (	OF ACTION			
Notice of Intent  Subsequent Report	☐ Acidize ☐ Alter Casing	☐ Deepe ☐ Fractu	re Treat	☐ Reclam		☐ Water Shut-Off ☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair ☐ Change Plans ☐ Convert to Injection		Construction and Abandon Back	☐ Recomp ☐ Tempor ☐ Water D	arily Abandon	Other Change to Original A PD	
Attach the Bond under which the wor following completion of the involved testing has been completed. Final At determined that the site is ready for fit EOG Resources, Inc. respects	operations. If the operation results and on ment Notices shall be filed and inspection.)  ully requests a two year expected and inspection.	ilts in a multiple o l only after all rec	completion or re quirements, incli	completion in a r uding reclamation	new interval, a Form 3160 n, have been completed, a	-4 shall be filed once	
	Electronic Submission #24 For EOG Ri nitted to AFMSS for process	ESOURCES IN sing by ROBIN	C, sent to the R. HANSEN o	• Vernai on 03/28/2014 (	14RRH7163SE)		
Name (Printed/Typed) DONNA J	SKINNER	+	Title SR. R	EGULATORY	ASSISTANT	<del> </del>	
Signature (Electronic S	ubmission)		Date 03/26/	2014			
*	THIS SPACE FO	R FEDERAL	OR STATE	OFFICE U	SE		
Approved By A Kensk			Title		Field Manager neral Resources	SEP 1 7 201	
onditions of approval, if any, are attached crify that the applicant folds legal or equ hich would entitle the applicant to condu	<ol> <li>Approval of this notice does n itable title to those rights in the s ct operations thereon.</li> </ol>	ot warrant or ubject lease	Office	VERNAL I	TELD OFFICE		
itle 18 U.S.C. Section 1001 and Title 43					ike to any department or a	gency of the United	



### **CONDITIONS OF APPROVAL**

### **EOG Resources Inc**

## **Notice of Intent APD Extension**

Lease:

UTU-0285A

Well:

Chapita Wells Unit 1578-26D

Location:

SENE Sec 26 T9S-R22E

An extension for the referenced APD is granted with the following conditions:

- 1. The APD extension shall expire on 4/4/16
- 2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Michael Riches of this office at (435) 781-4438

Sundry Number: 57973 API Well Number: 43047521390000

	STATE OF UTAH		FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A		
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1578-26D
2. NAME OF OPERATOR: EOG RESOURCES, INC.			9. API NUMBER: 43047521390000
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	0 N , Denver, CO, 80202	PHONE NUMBER: 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1972 FNL 0328 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 16 Township: 09.0S Range: 22.0E Merid	ian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	TT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
11/19/2014	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER
40 DECODINE DRODOGED OD		United to the latest t	Total and annual to
I .	completed operations. Clearly show and respectfully requests the well be extended for one year.	APD for the referenced	Approved by the Webbech of Colors Oil, Gas and Mining
			-
			Date:
			By: Dally
NAME (PLEASE PRINT) Donna J Skinner	PHONE NUMB 303 262-9467	ER TITLE Sr. Regulatory Assistant	
SIGNATURE	333 232 3131	DATE	
N/A		11/19/2014	

Sundry Number: 57973 API Well Number: 43047521390000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047521390000

**API:** 43047521390000 **Well Name:** CWU 1578-26D

Location: 1972 FNL 0328 FEL QTR SENE SEC 26 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 11/21/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
• Has there been any unit or other agreements put in place that could affect the permitting or operation of thi proposed well?  Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ( Yes ( No
• Has the approved source of water for drilling changed?   Yes  No
• Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes No
• Is bonding still in place, which covers this proposed well?   Yes   No
neture. Denne I Skinner Dete: 11/10/2014

Signature: Donna J Skinner Date: 11/19/2014

Title: Sr. Regulatory Assistant Representing: EOG RESOURCES, INC.

Sundry Number: 67554 API Well Number: 43047521390000

	STATE OF UTAH		FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A		
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizo n for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1578-26D
2. NAME OF OPERATOR: EOG RESOURCES, INC.			9. API NUMBER: 43047521390000
3. ADDRESS OF OPERATOR: 600 17th Street Ste 1000N	, Denver, CO, 80202	<b>PHONE NUMBER:</b> 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1972 FNL 0328 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 6 Township: 09.0S Range: 22.0E Merid	lian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
11/6/2015	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:
40 DECODINE DRODOGED OD		United to the state of the stat	
l .	completed operations. Clearly show nc., respectfully requests the well be extended for one y	APD for the referenced	Approved by the UnakeOmbiero09of2015 Oil, Gas and Mining
			Date:
			By: Doggill
NAME (PLEASE PRINT)	PHONE NUME		
Kyle Pedlar	303 262-9906	Assistant Regulatory	
SIGNATURE N/A		<b>DATE</b> 11/6/2015	

Sundry Number: 67554 API Well Number: 43047521390000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047521390000

**API:** 43047521390000 **Well Name:** CWU 1578-26D

Location: 1972 FNL 0328 FEL QTR SENE SEC 26 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 11/21/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
• Has there been any unit or other agreements put in place that could affect the permitting or operation of thi proposed well?  Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ( Yes ( No
• Has the approved source of water for drilling changed?   Yes  No
• Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?   Yes  No
• Is bonding still in place, which covers this proposed well?   Yes   No
notura. Kylo Bodlor Doto: 11/6/2015

Signature: Kyle Pedlar Date: 11/6/2015

Title: Assistant Regulatory Representing: EOG RESOURCES, INC.



### **United States Department of the Interior**

**BUREAU OF LAND MANAGEMENT** 

Green River District Vernal Field Office 170 South 500 East Vernal, UT 84078

http://www.blm.gov/ut/st/en/fo/vernal.html



MAY 0 4 2016

IN REPLY REFER TO: 3160 (UTG011)

EOG Resources Inc Att: Kaylene Gardner 1060 East Hwy 40 Vernal, Utah 84078 RECEIVED

MAY 06 2016

DIV. OF OIL, GAS & MINING

Dear Kaylene Gardner

The referenced Applications for Permit to Drill (APD) have expired. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced applications has expired. If you intend to drill at these locations in the future, a new Application for Permit to Drill must be submitted.

43-047-

Lease	Well	Aliquot	Sec., T., R.	Date Rec'd	APD Approved	Date Exp'd
UTU0282	CWU 1571-26D	NWNE	Sec.26-T9S-R22E	11/2/2011	3/15/2012	3/15/2016 5214
UTU0285A	CWU1573-26D	SENE	Sec.26-T9S-R22E	11/2/2011	4/4/2012	4/4/2016 5213
UTU0285A	CWU1570-26D	NWNE	Sec.26-T9S-R22E	11/2/2011	3/15/2012	3/15/2016 5214
UTU0282	CWU 1572-26D	NWNE	Sec.26-T9S-R22E	11/2/2011	3/15/2012	3/15/2016 5214
UTU0285A	CWU 1574-26D	SENE	Sec.26-T9S-R22E	11/2/2011	4/4/2012	4/4/2016 5213
UTU0285A	CWU 1575-26D	SENE	Sec.26-T9S-R22E	11/2/2011	4/4/2012	4/4/2016 52131
UTU0285A	CWU 1576-26D	SENE	Sec.26-T9S-R22E	11/2/2011	4/4/2012	4/4/2016 5213
UTU0285A	CWU 1577-26D	SENE	Sec.26-T9S-R22E	11/2/2011	4/4/2012	4/4/2016 52138
UTU0285A	CWU 1579-26D	SENE	Sec.26-T9S-R22E	11/2/2011	4/4/2012	4/4/2016 52146
UTU0285A	CWU 1560-26D	NWNE	Sec.26-T9S-R22E	11/2/2011	3/15/2012	3/15/2016 5214
UTU0285A	CWU 1561-26D	NWNE	Sec.26-T9S-R22E	11/2/2011	3/15/2012	3/15/2016 52/4
UTU0285A	CWU 1563-26D	NWNE	Sec.26-T9S-R22E	11/2/2011	3/15/2012	3/15/2016 52/5
UTU0285A	CWU 1564-26D	NWNE	Sec.26-T9S-R22E	11/2/2011	3/15/2012	3/15/2016 52/5
UTU0285A	CWU 1565-26D	NWNE	Sec.26-T9S-R22E	11/2/2011	3/15/2012	3/15/2016 5215
UTU0285A	CWU 1566-26D	NWNE	Sec.26-T9S-R22E	11/2/2011	3/15/2012	3/15/2016 521 5
UTU0285A	CWU 1567-26D	NWNE	Sec.26-T9S-R22E	11/2/2011	3/15/2012	3/15/2016 5214
UTU0285A	CWU 1568-26D	NWNE	Sec.26-T9S-R22E	11/2/2011	3/15/2012	3/15/2016 5 244
UTU0285A	CWU 1569-26D	NWNE	Sec.26-T9S-R22E	11/2/2011	3/15/2012	3/15/2016 5214
UTU0285A	CWU 1578-26D	SENE	Sec.26-T9S-R22E	11/2/2011	4/4/2012	4/4/2016 52130

This office requires a letter confirming that no surface disturbance has been made for these drill sites. Any surface disturbance associated with the approved location of these wells is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact Beth Hamann at (435) 781-3430.

Sincerely,

gerry Kenczka Assistant Field N

Assistant Field Manager Lands & Mineral Resources

CC:

**UDOGM** 

bcc:

Well File

I&E Asst.



### State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 8, 2016

Kaylene Gardner EOG Resources, Inc. 600 17th Street, Suite 1000 N Denver, CO 80202

Re: APDs Rescinded for EOG Resources, Inc., Uintah County

Dear Ms. Gardner:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded as of December 8, 2016.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Mane Il las or L Diana Mason

**Environmental Scientist** 

cc: Well File

Bureau of Land Management, Vernal



43-047-50808 CWU 1408-11 43-047-52134 CWU 1573-26D 43-047-52135 CWU 1574-26D 43-047-52136 CWU 1575-26D 43-047-52137 CWU 1576-26D 43-047-52138 CWU 1577-26D 43-047-52139 CWU 1578-26D 43-047-52140 CWU 1579-26D 43-047-52141 CWU 1567-26D 43-047-52142 CWU 1568-26D 43-047-52143 CWU 1569-26D 43-047-52144 CWU 1570-26D 43-047-52145 CWU 1571-26D 43-047-52146 CWU 1572-26D 43-047-52147 CWU 1560-26D 43-047-52148 CWU 1561-26D 43-047-52149 CWU 1562-26D 43-047-52150 CWU 1563-26D 43-047-52151 CWU 1564-26D 43-047-52152 CWU 1565-26D 43-047-52153 CWU 1566-26D 43-047-50175 CWU 1409-33 43-047-50176 CWU 1407-10